

BROCK

Continuing Education 1971-72

BROCK UNIVERSITY

Continuing Education Calendar 1971-72



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Calendar/*Summer Session/1971*

<i>March 9</i>	Last day for receipt of applications for Mature Student Test for Summer Session 1971
<i>March 27</i>	Mature Student Test
<i>April 2</i>	Last day for receipt of <i>all applications</i> for Summer Evening Session
<i>April 2</i>	Last day for receipt of course applications of <i>Returning Students</i> for Summer Day Session
<i>April 9</i>	Last day for receipt of Applications for Admission and course-applications of <i>New Students</i> for Summer Day Session
<i>May 3</i>	Registration for Summer Evening Session, 4.00 p.m. - 6.00 p.m.
<i>May 3</i>	First day of lectures in Summer Evening Session
<i>May 7</i>	Last day for course changes and late registrations for Summer Evening Session
<i>May 14</i>	Last day for applications for Mature Student Test for May 29
<i>May 24</i>	Victoria Day - University closed
<i>May 25</i>	Convocation
<i>May 29</i>	Mature Student Test
<i>June 4</i>	Last day for withdrawal in good standing, Summer Evening Session
<i>July 5</i>	Registration for Summer Day Session For New Students only: - morning A - F - 8:30 - 9:30 M - R - 10:30 - 11:30 G - L - 9:30 - 10:30 S - Z - 11:30 - 12:30 For Returning Students only: - afternoon A - F - 1:30 - 2:30 M - R - 3:30 - 4:30 G - L - 2:30 - 3:30 S - Z - 4:30 - 5:30
<i>July 6</i>	First day of lectures in Summer Day Session
<i>July 8</i>	Lectures terminate in Summer Evening Session courses
<i>July 8</i>	Last day for course changes and late registrations for Summer Day Session
<i>July 9</i>	Last day for receipt of application for Mature Student Test for Evening Session 1971-72

July 9-10	Examinations for Summer Evening Session
July 24	Mature Student Test
July 30	Last day for receipt of course applications for <i>Returning Students</i> for Evening Session 1971-72
July 30	Last day for withdrawal in good standing, Summer Day Session
August 2	Civic Holiday – University offices closed – lectures <i>will</i> be held
August 13	Last day for receipt of course applications of <i>New Students</i> for Evening Session 1971-72
August 17	Lectures terminate in Summer Day Session courses
August 19-20-21	Examinations for Summer Day Session courses

Calendar/*Evening Session*/1971-72

July 9	Last day for receipt of applications for Mature Student Test for Evening Session 1971-72
July 24	Mature Student Test
July 30	Last day for receipt of course applications of <i>Returning Students</i> for Evening Session 1971-72
August 13	Last day for receipt of Applications for Admission and course applications of <i>New Students</i> for Evening Session 1971-72
September 11	Registration for Evening Session For New Students only: - morning A - F - 8:30 - 9:30 M - R - 10:30 - 11:30 G - L - 9:30 - 10:30 S - Z - 11:30 - 12:30 For Returning Students only: - afternoon A - F - 1:30 - 2:30 M - R - 3:30 - 4:30 G - L - 2:30 - 3:30 S - Z - 4:30 - 5:30
September 20	First evening of lectures in fall term
October 1	Last day for reporting course changes and last day for late registration

<i>October 11</i>	Thanksgiving Day-- University closed
<i>December 11</i>	Lectures terminate in courses numbered 100 to 199
<i>December 13-21</i>	Mid-year examinations in courses numbered 100 to 199
<i>December 18</i>	Lectures terminate in courses numbered 200 and above
<i>December 22</i>	Christmas recess begins (to January 3, 1972)
<i>December 25-28</i>	Christmas-- University closed
<i>January 1-3</i>	New Year's-- University closed
<i>January 4</i>	First day of lectures in spring term
<i>February 20-27</i>	Mid-term recess
<i>February 29</i>	Last day for withdrawal in good standing
<i>March 10</i>	Last day for receipt of applications for Mature Student Test for entrance to Summer Session 1972
<i>March 25</i>	Mature Student Test
<i>Mar. 31 - Apr. 3</i>	Easter recess-- University closed
<i>April 8</i>	Last day of lectures in spring term
<i>April 9-16</i>	Reading period in all courses
<i>April 17-29</i>	Final examinations
<i>May 12</i>	Last day for applications for Mature Student Test
<i>May 24</i>	Victoria Day-- University closed
<i>May 27</i>	Mature Student Test
<i>May 30</i>	Convocation for the conferring of degrees

Course List/*Summer Evening Session/1971 (May 3-July 10)*

COURSE	DESCRIPTION	INSTRUCTOR
English 200	Drama to 1642	I. Shaw
English 342	Modern Poetry	G. Reecer
French 394	Literature: History as a Literary Genre	C. J. Pujolle
Geography 398	Resource Geography	C. Thomson
German 100	Language: Introductory	J. A. Michielsens
German 190	Language and Literature	D.C. MacRae
German 200	Language: Advanced	J. A. Michielsens
History 210	Europe Creates the New World	W. Turner
History 330	Europe in Revolution	R. Taylor
Italian 100	Language: Introductory	R. De Luca
Italian 190	Language and Literature	R. De Luca
Mathematics 192 A & B	Basic Math. for Social Science Students	C. Laywine
Politics 300	Modern Political Theory	B. Le Baron
Psychology 190	Introduction to Psychology	N. Carlsen
Sociology 325	Social Analysis of the Family	M. Perlman

Timetable/*Summer Evening Session/1971*

Mondays and Wednesdays:	Eng. 342; Ger. 190; Ger. 200; Ital. 190; Pol. 300; Psych. 190
Mondays and Thursdays:	Fr. 394
Mondays, Tuesdays and Wednesdays:	Hist. 330
Tuesdays and Thursdays:	Eng. 200; Geog. 398; Ger. 100; Hist. 210; Ital. 100; Math. 192; Soc. 325

Course List/*Summer Day Session/1971*

COURSE	DESCRIPTION	INSTRUCTOR
Drama 190	History of Theatre to 1650	J. Bradford
Drama 290	History of Theatre, 1650 to Present	M. J. Miller
Economics 190	Principles of Economics	J. Kushner
Economics 201	Intermediate Economic Theory	L. Soroka
English 191	Introduction to Literature	G. H. Coggins

English 200	Drama to 1642	M. Yacowar
English 350	The Modern Novel	J. Baernstein
French 200	Language (Intermediate)	L. Rosmarin
Geography 292	Geomorphology	W. Mahaney
Geography 350	Regional Geography: Western Europe	E. Kayser
Geology 190	Principles of Geology	J. L. Craft
Geology 210	Mineralogy	E. Miryneck
Geology 293	Historical Geology	B. A. Liberty
Geology 391	Geology of Canada, I	P. A. Peach
Greek 100	Intensive Elementary Greek	F. H. Casler
History 100	The Past Hundred Years	C. Hayes
History 190	Medieval Civilization	To be announced
Latin 100	Intensive Elementary Latin	A. Verster
Philosophy 190	Introduction to Philosophy	J. Hicks
Physical Science 191	An Introduction to Chemical Physics	E. A. Cherniak
Politics 190	Introduction to Politics	W. A. Matheson
Psychology 210	Developmental Psychology	M. Schnall
Psychology 230	An Introduction to Social Psychology	J. Partington
Psychology 320	Psychopathology	E. Pomeroy
Sociology 190	Man and Society	N. Yarmoshuk
Sociology 243	Social Stratification	J. H. Reed
Sociology 320	Social Analysis of Education	W. Watson
Spanish 200	Language (Intermediate)	R. Hildebrandt

Timetable/*Summer Day Session*/1971

8:00 a.m.—10:00 a.m.	Econ. 201; Eng. 191; Geog. 292; Hist. 100; Pol. 190; Phy. Sc. 191; Psych. 320
8:00 a.m.—12:00 noon	Greek 100; Latin 100
8:00 a.m.—12:30 p.m.	Geol. 190; 210; 293 (Includes Laboratories)
10:30 a.m.—12:30 p.m.	Drama 190; Drama 290; Fr. 200; Psych. 230; Soc. 190; Soc. 320; Span. 200
1:00 p.m.—3:00 p.m.	Econ. 190; Eng. 350; Geog. 292; Geog. 350; Hist. 190; Phil. 190; Soc. 243
Geology 391 is a field course	

 Course List/*Winter Evening Session/1971-72*

COURSE	DESCRIPTION	INSTRUCTOR
Administration 301	Management Analysis	T. B. Varcoe
Administration 401	Financial Analysis	J. A. Edds
Biology 120	An Introduction to Biology	D. J. Ursino & R. Morris
Biology 230	Cellular and Molecular Biology	M. Nwagwu, N. Bown, S. Weisberg
Chemistry 290	Structures and Reactivity	to be announced
Classics 196	Greek and Roman Myths and Religions	E. M. Boggess
Classic 395	Greek History	N. D. Robertson
Dramatic Media 295	Meaning in the Mass Media	M. Yacowar
Economics 190	Principles of Economics	M. F. Perkins
Economics 203	Macroeconomics	C. Masse
Economics 205	Labour Economics	J. Norton
Economics 290	Economic Statistics	to be announced
Economics 307	Comparative Economic Systems	G. Temkin
English 390	Anglo-Saxon Language and Literature	I. Muhawi
French 290	19th Century Novel	M. J. Cardy
French 391	Literature: 20th Century	B. J. Bucknall
French 395	French-Canadian Literature	D. Christopher
Geography 190	The Geography of Mankind	J. McClellan
Geography 200	Techniques I	A. Hughes
Geography 298	Economic Geography	J. McNeil
Geography 300	Techniques II	H. J. Gayler
Geography 391	Climatology	B. W. Thompson
Geography 393	Biogeography	M. R. Moss
Geology 190	Principles of Geology	to be announced
Geology 392	Geology of Canada II	to be announced
German 100	Language (Introductory)	J. A. Michielsen
German 190	Language and Literature	T. Michielsen
German 213	Literature: From Romanticism to Realism	D. C. MacRae
German 394	18th Century Literature and Literary Theory	H. Schutz
Greek 100	Intensive Elementary Greek	F. H. Casler
History 100	The Past Hundred Years	to be announced
History 220	Early Modern Britain	to be announced
History 295	The United States of America	to be announced
History 394	French Canada	to be announced

Italian 200	Language (Introductory)	R. De Luca
Linguistics 190	Linguistics and Language Teaching	R. Ullman
Mathematics 150	Introduction to University Mathematics	to be announced
Mathematics 192 A & B	Basic Mathematics for Social Science Students	to be announced
Mathematics 193 A	Introductory Calculus	to be announced
Mathematics 193 B	Mathematics for Science Students	to be announced
Music 192	Musical Instruments and Performance	Staff and Visiting Instructors
Mathematics 193	Introduction Calculus	to be announced
Music 192	Musical Instruments and Performance	Visiting Instructors
Philosophy 190	Introduction to Philosophy	J. Nota & D. Goicoechea
Philosophy 192	Eastern Philosophy: An Introduction	W. Halbfass
Philosophy 306	Philosophy of Religion	J. Nota & D. Goicoechea
Politics 190	An Introduction to Politics	W. A. Matheson
Politics 301	Concept of Law	to be announced
Politics 313	State and Society in South Asia	R. Church
Politics 323	International Law and Organization	W. Hull
Politics 412	Canadian Political System	to be announced
Psychology 225	Personality	M. Jordan
Psychology 330	Tests and Measurements	to be announced
Psychology 345	Strategies in Social Psychological Research	J. Partington
Russian 100	Language: Introductory	P. Reial
Russian 190	Language and Literature	C. Hollosi
Sociology 190	Man and Society	to be announced
Sociology 242	Formal Organizations	N. Yarmoshuk
Sociology 253	Mass Media	to be announced
Sociology 305	Social Analysis of Economic Institutions	to be announced
Sociology 320	Social Analysis of Education	W. Watson
Sociology 350	Social Analysis of Urbanism	T. Denton
Spanish 100	Language (Introductory)	M. R. Nieto
Spanish 395	20th Century Spanish American Novel	J. Fernandez
Urban Studies 295	Inter-Disciplinary Perspectives in Urban Studies	to be announced

Timetable/Winter Evening Session/1971-72

Mondays only:	Admin. 301; Admin 401; Econ. 307; Geog. 298; Geog. 300; Ger. 100; Ger. 190; Hist. 100; Pol. 190; Pol. 412; Music 192; Russ. 100†; Soc. 253; Soc. 305; Span. 100†
Tuesdays and Thursdays:	Biol. 120; Chem. 290; Drama 295; Math 192; Math. 193
Tuesdays only:	Class 196; Econ. 190; Econ. 203; Fr. 290; Fr. 391; Geog. 200; Geog. 391; Geol. 190; Hist. 220; Phil. 190; Pol. 313; Psych. 330; Soc. 190; Soc. 350
Wednesdays only:	Biol. 230; Econ. 205; Geog. 393; Geol. 392; Germ. 100 (Lang. Lab.); Ger. 190 (Lang. Lab.); Ger. 394; Greek 100‡; Hist. 295; Ital. 200; Math. 150; Phil. 306; Pol. 301; Psych. 225; Psych. 345; Russ. 190; Soc. 320
Thursdays only:	Class 395; Econ. 290; Eng. 390; Fr. 395; Geog. 190; Ger. 213; Hist. 394; Ling. 190; Phil. 192; Pol. 323; Soc. 242; Span. 395; Urban Studies 295

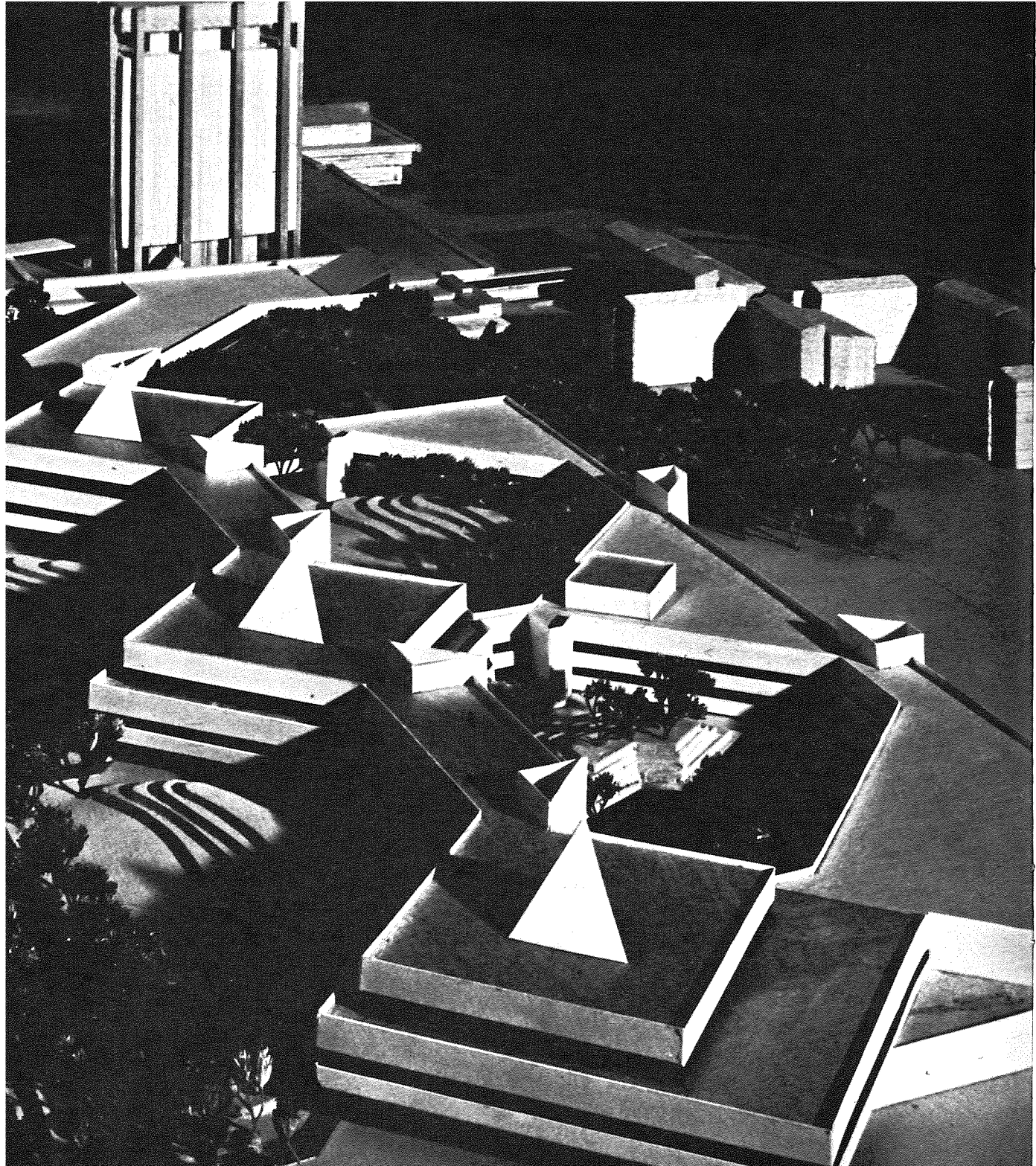
†Plus Language Laboratory periods on Wednesday Evenings

*Classes from 5:00 p.m.-7:00 p.m.

‡Class from 6:00 p.m.-10:00 p.m.

N.B.

Evening Session Classes will normally be held from 7:00-10:00 p.m. unless otherwise specified.



Regulations

Admission Procedures

HOW TO APPLY

Candidates for Admission proceeding directly from Ontario Grade 13 should complete an "Ontario Universities' Council on Admissions General Application" form, available at the Guidance Offices of their schools. Other candidates for admission should complete an "Application for Admission" form, available from the Brock University Registrar upon request. These forms should be returned to the Registrar as soon as possible. Every candidate is responsible for ensuring that a Principal's Report, a complete record (including results of standard tests) of the last two grades attended in high school and, where appropriate, records of university and college work, are sent to the Registrar by the institution or institutions involved. All of these records must indicate the marks earned in each subject. A candidate withholding or failing to provide information regarding previous university or college records is liable to have his registration cancelled.

Notice of Admission

All applications for admission are subject to review by the Admissions Board of the University Senate.

Standards for Admission

Candidates for admission to the first year of an undergraduate program at Brock University shall ordinarily be required to present the Ontario Secondary School Honour Graduation Diploma with an average of 60%. Results of standard tests offered through the Ontario Department of Education should be submitted.

Ontario Grade 13 Credits

Candidates who offer the Ontario Secondary School Honour Graduation Diploma which includes more than one of Art, Music, Home Economics, or which includes Mathematics of Investment, Business and Commercial subjects, Industrial Arts or Technical subjects, Agriculture, Environmental Science, Physical Education may be considered as special cases for admission.

For entry into Arts degree programs, English is mandatory.

For entry into Science degree programs, Mathematics A or its equivalent is mandatory, English is strongly recommended, with the following required subjects:

BIOLOGICAL SCIENCES

- Any two of Biology, Chemistry, Physics;

CHEMISTRY

- Chemistry, Physics;

GEOLOGICAL SCIENCES

- Any two of Biology, Chemistry, Physics;

MATHEMATICS

- Mathematics B or its equivalent; Physics is strongly recommended;

PHYSICS

- Chemistry, Physics; Mathematics B or its equivalent is strongly recommended.

The overall average will be the arithmetic mean of the subject marks counted towards the Ontario Secondary School Honour Graduation Diploma.

Rules of Eligibility

Candidates for admission who have completed Grade 13 in one year, in the school year 1970/71, and have obtained a minimum overall average of 60%, in the subjects counted towards the Ontario Secondary School Honour Graduation Diploma, will be accepted automatically.

Candidates for admission who have completed Ontario Grade 13 in any one year, between 1967 and 1970 and have obtained a minimum average

of 60% in seven credits without failure will be accepted automatically.

Candidates who have completed Grade 13 in one year, in the school year 1965/66 or 1964/65, and have obtained an average of 60% in eight credits without failure will also be accepted automatically.

Candidates who have spent more than one year in Grade 13 may be required to present an overall average of 65% in their Ontario Secondary School Honour Graduation Diploma.

Equivalent Certificates

For applicants with qualifications from outside Ontario, the following certificates, which must give actual grades or marks obtained in each subject, are normally accepted as equivalent to Ontario Grade 13:

ALBERTA, MANITOBA, NOVA SCOTIA,
SASKATCHEWAN

- Grade 12 Senior Matriculation;

BRITISH COLUMBIA, NEW BRUNSWICK

- Grade 13 Senior Matriculation;

NEWFOUNDLAND

- First year Memorial University;

PRINCE EDWARD ISLAND

- First year University of Prince Edward Island

QUEBEC

- From the two-year General CEGEP program.

Candidates who present the D.E.C. with first class standing may be considered for admission to an appropriate second year university program.

Candidates who present the D.E.C. with second class standing may be eligible for advance standing in some first year subjects.

Candidates who achieve second class standing or better after one year in the General CEGEP program may be considered for admission to first year.

UNITED KINGDOM, WEST INDIES, EAST AND WEST AFRICA, HONG KONG

- The General Certificate of Education of the United Kingdom Universities, with
 - (a) passes in five subjects of which at least two must be passed at advanced level; or
 - (b) passes in four subjects of which at least three must be passed at advanced level.

ENGLISH PROFICIENCY TEST

Candidates whose 'mother tongue' is not English are required to present results from: The Test of English Proficiency from the English Language Institute, University of Michigan, Ann Arbor, or TOEFL—Test of English as a Foreign Language, Educational Testing Service, Princeton, New Jersey.

UNITED STATES OF AMERICA

- First year university credits (a minimum of thirty semester hours) in the required subjects from accredited institutions. Candidates with especially high standing in College Entrance Examination Board Tests may request special consideration. Advanced Placement Tests of the College Entrance Examination Board will also be considered.

Admission of Special Categories

MATURE ADMISSION

Applicants who have not completed the normal admission requirements, as outlined in the "Rules of Eligibility" section, may request special consideration if they are (a) 23 or older on October 1 in the year during which they are seeking admission, or (b) under 23 but have been successfully engaged for two years in a professional career which involved further academic training.

These applicants will be required to successfully complete one of the following three alternatives prior to admission. These are:

- (1) to write a special aptitude and achievement test. Applications from mature candidates

must be received at least two weeks prior to the scheduled date of their test. It will not be possible to entertain applications from mature candidates after these dates.

(2) to complete a Grade 13 course with an average of 60% or above. English is strongly recommended for candidates interested in the Arts, and Mathematics for those whose interest is in the Sciences.

(3) to complete a one-year College of Applied Arts and Technology course with an average of 60% or above. As in (2), the recommended courses are English or Mathematics.

- Teachers who hold a permanent teacher's certificate and nurses who hold an R.N. certificate may be admitted to a first year university program as a mature student without satisfying any of the above alternatives.

Proof of age must accompany any application.

All students admitted under these provisions shall be on probation. Their probationary status will be reviewed either at their request, or at that of the Registrar or the Director of Continuing Education, or on the completion of no more than seven courses.

Dates for Tests

The date of the test for Summer Day and Summer Evening Session applicants of mature age is March 27, 1971; the dates of the tests for applicants in this category for the Day and Evening Session, 1971/72, are May 29 and July 24, 1971. The dates of the tests for the Day and Evening Session, 1972/73, are March 25 and May 27, 1972.

Transfer Students

Candidates for entry into a year other than Year I will be assessed and admitted on the merit of their work at their previous institution.

Students who achieve an overall second-class standing or better in a three-year program at

Ryerson Polytechnical Institute or a College of Applied Arts and Technology may be considered for admission to an appropriate second year university program.

Students who achieve an overall second-class standing or better after two years at Ryerson Polytechnical Institute or a College of Applied Arts and Technology may be eligible for admission to a first year university course.

Graduates with second-class standing or better of the Niagara Parks Commission School of Horticulture may be considered for admission to second year at Brock University.

Part-Time Students

A student who meets admission requirements may register as a part-time student. He may take no more than two courses in each academic term.

The same standards of admission apply to part-time students as to regular students.

Evening and Summer Session Students

Applications for admission to the Summer Sessions and the Winter Evening Session should be addressed to the Assistant Registrar (Admissions).

The University reserves the right to refuse admission to any candidate.

Letter of Permission

In certain cases, students may request a special Letter of Permission which will enable them to take a course at another university for credit towards a degree at Brock University. In order to obtain a Letter of Permission, the student must first apply for admission to the University giving the course, then apply to Brock for a Letter of Permission.

In order to gain credit at Brock for the course taken elsewhere, the student must obtain at least a C average.

Students at another university wishing to take

a course at Brock, must fulfil Brock's admission requirements and obtain a Letter of Permission from their own university.

Auditors

Applicants who do not wish to take a course for credit but who wish to audit a course, must apply in the regular manner. Auditors may not take part in discussions and seminars and do not write assignments or take examinations.

Auditors are not permitted in all courses and may only be permitted with the permission of the chairman of the academic department concerned and, also, of the instructor.

Admissions Board

Applications are considered and accepted or rejected by the Admissions Board of the Senate. All decisions are final and will not be reconsidered until such time as the student improves his qualifications for admission.

Up-Grading Courses

Students applying to Brock University to take courses towards up-grading a teaching or other professional certificate are required to submit only proof of their degree in place of the Secondary School Principal's Report.

Applicants are advised to check with their certifying body to ascertain whether the course for which they are applying will be acceptable towards certification.

Application for Admission to Courses

In order to facilitate planning of courses, RETURNING students are requested to return course applications no later than:

- (a) for Summer Evening Session 1971-April 2
- (b) for Summer Day Session, 1971-April 2
- (c) for Evening Session, 1971-72-July 30

A late fee of \$10.00 will be levied after these dates.

New students should offer course applications along with their "Admission to the University" application.

Notice of Admission and Permit to Register

A candidate whose application for admission has been accepted will receive a "Notice of Admission" form. He should read carefully the instructions at the bottom of the sheet and return the green and blue copies, as requested, to the Office of Continuing Education.

He should retain the yellow copy of Part 3, "Permit to Register", and present it at registration along with his fees.

The courses for which a student is admitted will be specified on these forms. Should a course which a student applies be filled, he will be notified in time to select another course.

Registration

WHO MAY REGISTER:

Students who have applied for Admission to the University and for course admission, in sufficient time to receive their "Permit to Register" forms, and, who have *returned* their "Intent to Register" forms to the Office of Continuing Education by the prescribed date, may register at the regular registration. All others must register late as noted on their "Permit to Register" forms and must pay an additional late registration fee of \$10.00.

When to Register

REGULAR REGISTRATION

Summer Evening Session:

All students

May 3, 1971-4.00 p.m.-6.00 p.m.

Room 253, Thistle

Summer Day Session

(a) For new students only

July 5, 1971-morning

A-F-8:30- 9:30 M-R-10:30-11:30
G-L-9:30-10:30 S-Z -11:30-12:30

(b) For returning students only

July 5, 1971-afternoon

A-F-1:30-2:30 M-R-3:30-4:30
G-L-2:30-3:30 S-Z -4:30-5:30

EVENING SESSION

(a) For new students only:

September 11, 1971-morning

A-F-8:30- 9:30 M-R-10:30-11:30
G-L-9:30-10:30 S-Z -11:30-12:30

(b) For Returning Students only:

September 11, 1971-afternoon

A-F-1:30-2:30 M-R-3:30-4:30
G-L-2:30-3:30 S-Z -4:30-5:30

LATE REGISTRATION

All late registrants must apply at the Office of Continuing Education, Room 253, Thistle.

Summer Evening Session

May 4-May 7, 1971-9:00 a.m.-5:00 p.m.

Summer Day Session

July 6-July 8, 1971-9:00 a.m.-12:00 noon

Evening Session

September 13-October 1, 1971-3:00 p.m.-4:30 p.m.

No late registrations will be accepted after these dates.

Course Changes

Students will be permitted to change a course registration, provided this is done by May 7 for Summer Evening Session, by July 8 for Summer Day Session and by October 1 for Winter Evening Session. Students are required to fill in the course change form in the Office of Continuing Education and to have the change cleared officially before joining a new class.

Withdrawals

Withdrawal in Good Standing

A Summer Evening Session student may

voluntarily withdraw from a course or from the University at any time prior to June 4. A Summer Day Session student may voluntarily withdraw from a course or from the University at any time prior to July 30. A Winter Evening Session student may voluntarily withdraw from a course or from the University at any time prior to February 29 by informing the Director of Continuing Education of his decision.

Students must apply in person at the Office of Continuing Education and complete a withdrawal notice.

A student withdrawing after the above dates will have grades of F recorded on his transcript for those courses not completed.

Course Load

Students taking their first course at university level are allowed to take only one course.

Part-time Evening Session and Summer Session students will be allowed to take a maximum of two courses per term.

Required Courses

A minimum of fifteen courses is required for a three year B.A. Five courses per year are required for each of first, second and third years. Students progressing to an honours program take an additional five honours courses in the fourth year as full-time students.

Among his first ten courses, every student is required to take one course from each of the categories listed below. No more than one course from any given department may be counted towards fulfilling this requirement:

1. HUMANITIES: Classics 190, 196, Dramatic Media 190, 290, English 191, French 190, 210, German 190, 213, 230, Greek 200, History 100, 190, Italian 190, 210, Latin 200, Philosophy 190, 192, Russian 190, 211, 230, Spanish 190, 210.
2. SOCIAL SCIENCES: Classics 290, Economics 190, Geography 190, History 100, 190, Politics 190,

Psychology 190, Sociology 190, Philosophy 190.

3. PHYSICAL SCIENCES: Biology 120, 190, 210, Chemistry 190, Geology 130, 190, Modern Science 100, Physical Science 191.

Programs Available

BACHELOR'S DEGREE PROGRAMS

Brock offers both pass and honours degrees. The pass degree is awarded on the satisfactory completion of 15 courses and the honours degree of 20 courses. All courses are honours-level courses. Students pursuing an honours degree must maintain honours standing.

PROGRAM PATTERNS

A student, during his university career, expects to experience some genuine intellectual growth—to sharpen and deepen his analytical and appreciative faculties. Implicit in this expectation is an academic program involving some degree of specialization. Specialization, however, is not necessarily considered synonymous with rigid adherence to a few prescribed major programs. Brock University provides a variety of specialization patterns to meet differing student needs.

A. SPECIALIST PROGRAMS

1. Single Major: These programs are designed to serve students who have made the decision to focus on a single academic discipline. There is a substantial element of choice for the student within each major department. Details of the Single Major programs are outlined in the section on departmental offerings in the University Calendar.

2. Double Major: These programs are designed to serve students who have made the decision to focus on two disciplines. A student wishing to pursue a double major should consult both departments involved before registering in this program.

B. INTERDEPARTMENTAL PROGRAMS

Interdepartmental programs are intended to serve the needs of students who wish to diversify

their studies over more than one area of concentration. Programs leading to either a pass degree at the end of three years or an honours degree at the end of four years may be arranged to emphasize studies with two or three related departments.

Normally, students electing an interdepartmental program of studies will be required to take a *minimum* of FIVE courses in one department and THREE courses in another over the first three years and a further two in the former and one in the latter during the fourth year. It is anticipated that students will draw up their own programs of study in consultation with the departments in which they wish to concentrate, but, all such programs must be submitted to the Director of Continuing Education.

The requirements for entry into honours interdepartmental programs will be the same as those for entry into single honours programs.

Honours standing for the bachelor's degree in interdepartmental programs will be based on the three highest grades obtained in each of the student's two final years.

If three-fifths of an interdepartmental student's courses are in Arts subjects, the degree awarded him on graduation will be a B.A.; if in Science, a B.Sc.

The attention of students considering an interdepartmental program is directed to the Department of Education's Academic Requirements for Interim High School Assistants' Certificates, Type A in Circular 649, Academic Requirements for Admission to Courses in Ontario Colleges of Education pp. 4-8, and to Preparation and Employment of Secondary School Teachers, Circular 43. These circulars are available on request from the office of the Registrar.

Examinations

Mid-year progress examinations are held in December for students taking courses numbered

100 to 199. These examinations will be held on the evening of regular lectures in each course.

Winter Session final examinations are held in April. All students, whether full-time, part-time or evening will sit the same examinations at the same time. All final examinations are held during the day. Summer Evening examinations will be held on July 9 and 10. Summer Day Session examinations will be held in August commencing on the second day after the termination of lectures.

Absence from Examinations

If a student is unable to write an examination due to illness, he must notify the Registrar's Office (examinations) and have a medical certificate forwarded immediately.

A student may make a written request for a special examination if he has been officially excused. Failure to notify the Registrar's Office of an absence will be taken as a failure to attend the examination without cause, and a Grade of F (failure) will be given.

Academic Standing

Standing is usually determined by a combination of marks obtained for class work, written assignments, practical or field work (where relevant) and examinations.

A student will be eligible to sit examinations only when he has satisfactorily completed the term work assigned. Each instructor has discretion to award grades on the basis he considers to be most suitable.

The following letter grades can be assigned:

A: passing grade of 80% or more

B: passing grade of 70% to 79%

C: passing grade of 60% to 69%

D: conditional passing grade of 50% to 59% counted as a passing grade if overall C average is maintained

F: failing grade

Promotions

A part-time student will be considered for promotion from Year I to Year II on the basis of the five best grades obtained in the last seven courses taken. A minimum numerical average of 56 over five passed courses and not more than three grades of D or lower, is required for promotion. No part-time student may take more than seven courses without promotion. Full-time attendance is recommended in the final year of all undergraduate programs.

Degrees Awarded

Five classes of Bachelor's degree are awarded:

FIRST CLASS HONOURS DEGREE: Granted to honours students who attain First Class Honours standing averaged over Years III and IV.

SECOND CLASS HONOURS DEGREE: Granted to honours students who attain Second Class Honours standing averaged over Years III and IV.

THIRD CLASS HONOURS DEGREE: Granted to honours students who attain Third Class Honours standing over Years III and IV.

PASS DEGREE WITH DISTINCTION: Granted to a Year III pass course student who maintains a grade average of at least 70 percent in the 10 courses of Years II and III.

PASS DEGREE: Granted to a Year III pass course student who has satisfied all the requirements for graduation. This degree is also granted to honours students in Year III or Year IV who fail to maintain their honours standing but satisfy the requirements for graduation.

Academic Fee Schedule

Academic Fee per course	\$110.00
Identification and Library Card	\$1.00
Breakage Deposit (Science Students only)	\$10.00
Late Application—for admission to the University	\$10.00
Late Application—for a course	\$10.00
Late Registration	\$10.00
Special Examination	\$10.00
Mature Student Test	\$5.00
Transcript of Record	\$2.00

Refund of Academic Fees

Students wishing to withdraw from a course or from the University must notify the Division of Continuing Education in writing giving the reason for withdrawal.

Refunds will be calculated from the date the withdrawal notice is received by the Division of Continuing Education.

No refunds will be made unless the Accounting Office has received from the Director of Continuing Education, notification of withdrawal together with advice that the library card and books borrowed have been returned to the library. In all cases, refunds will be calculated on the basis of the total fees having been paid. Any unpaid balance will be deducted from the refund.

SUMMER EVENING SESSION

Withdrawal by May 14	\$75.00
Withdrawal by June 11	\$55.00
No refunds after June 11	

SUMMER DAY SESSION

Withdrawal by July 9	\$75.00
Withdrawal by July 23	\$55.00
No refunds after July 23	

WINTER EVENING SESSION

Withdrawal by October 2	\$100.00
Withdrawal by October 16	\$85.00

Withdrawal by October 30	\$75.00
Withdrawal by January 22	\$55.00
Withdrawal by February 5	\$45.00
Withdrawal by February 19	\$35.00
Withdrawal by March 5	\$25.00

Miscellaneous

Bookstore

Brock's Book Store is located in the Thistle complex. Professionally designed, the Book Store incorporates facilities to provide the most complete book service possible. In addition to textbooks, it carries trade and reference books, stationery and technical supplies, and can provide special order service for items not in stock.

Book lists pertaining to all courses will be sent to students along with Permit to Register forms. Students are advised to purchase books early.

SUMMER HOURS:

Monday to Friday 8:30 a.m. - 4:30 p.m.

WINTER HOURS:

Monday & Tuesday 9:15 a.m. - 7:30 p.m.

Wednesday to Friday 9:15 a.m. - 5:00 p.m.

Residences

Brock's on-campus residences were completed during the fall term of 1969. They consist of ten linked "houses" built on five levels in an interesting split-level design. The rooms are arranged in six-man suites comprising two double rooms, two singles and a living room. Two units of six share washroom facilities and a small kitchen unit for snacks. The residences accommodate 120 women and 280 men. Summer Session students who wish to use residence facilities may obtain complete information from:

The Housing Officer,
DeCew Campus, Brock University,
St. Catharines, Ontario.

Bulletin Board

Continuing Education bulletin boards are located on the first floor of the Tower, in the corridor outside Thistle Room 253 and in the main hallway of the Glenridge Campus. Students are responsible for checking bulletin boards for notices and other information pertaining to their courses.

Counselling Interviews

Students are advised to have their programs approved by the Director of Continuing Education as soon as possible. This may be done by appointment during specified hours during the day and evening. In no case should a student continue beyond three courses without an interview.

Non-Credit Courses

Recognizing the interests of the public, Brock University has initiated a Non-Credit Program, open to any member of the community. As no examinations are given nor degree granted, there are no academic requirements for participation in any of the Non-Credit activities.

Included in the program are the Faculty Lecture Series, up-dating courses for teachers and courses in a variety of academic disciplines. Public announcements are made prior to the commencement of all courses and special programs.

Certificate Courses

Brock is offering a number of courses for which certificates will be granted by the Professional societies concerned. At present the programs offered are:

- Canadian Institute of Bankers, Fellows' Program (I.C.B.)
- Program for Registered Industrial and Cost Accounting (S.I.A.)
- Canadian Institute of Management (C.I.M.)

Course Descriptions

ADMINISTRATION 301, MANAGEMENT ANALYSIS

This course is designed for analysis of accounting information as aids to administrative decision making rather than for the professional accountant. However, an introduction to basic accounting concepts and general accepted principles is necessary for an appreciation of accounting as a tool of analysis. Introduction to cost accounting and its role in the creation and application of business information; cost measurement and control; budgetary planning and control; distribution and differential costing; principles and practices in materials, labour and manufacturing expense accounting. Lectures, 3 hours per week

Instructor: T. B. Varcoe

ADMINISTRATION 401, FINANCIAL ANALYSIS

This course is designed for analysis accounting information as aids to administrative decision making, rather than for the professional accountant. The subject is approached from the point of view of administrative responsibility for establishing appropriate financial reporting standards including an examination of controversial aspects of financial statement presentation and analysis. Principles and procedures in income determination, asset valuation and net worth presentation under companies acts and securities exchange regulations; basic practices in accounting for public institutions and various private forms of business activity. The place of the controller in the business enterprise and his responsibility for financial planning and control; auditing practices and procedures.

Prerequisite: Administration 301 or Economics 207 or permission of instructor

Lectures, 3 hours per week

Instructor: J. A. Edds

BIOLOGY 120, AN INTRODUCTION TO BIOLOGY

A course designed for non-science students dealing with the following areas of biology; principles of ecology, ecosystem structure, the origin of life, organic evolution, energy utilization and flow, animal population growth and equilibrium, and the impact of man on his environment.

Lectures, laboratories and seminars, 4 hours per week

Instructors: D. J. Ursino, R. Morris

BIOLOGY 230, CELLULAR AND MOLECULAR BIOLOGY

The structure and organization of cells; regulation and control of cellular activities, molecular genetics and protein synthesis.

Prerequisite: Biology 190 or permission of the instructor.

Lectures and seminars, 3 hours per week.

Instructors: M. Nwagwu, S. H. Weisberg, A. W. Bown

CHEMISTRY 290, STRUCTURES AND REACTIVITY

Topics in organic and inorganic chemistry, considered by relating electronic structure to structure, energetics and reactions of molecules. Laboratory work includes quantitative analysis and organic synthesis.

Prerequisite: Chemistry 190

Lectures, 3 hours per week; laboratories, 3 hours per week.

Instructor: To be announced

CLASSICS 196, GREEK AND ROMAN MYTHS AND RELIGIONS

Theories of mythology; major myths and their representation in ancient literatures; the role of myth in Greek and Roman thought; stages of Greek and Roman religion, including the mysteries which influenced the Early Church Fathers.

Prerequisite: Classics 190, except with

permission of the Department Chairman.
Lectures, 3 hours per week.
Instructor: E. M. Boggess

CLASSICS 395, GREEK HISTORY

A survey of Greek civilization from the Minoan-Mycenean background until the Roman conquest, including the Hellenistic kingdoms.
Prerequisite: Classics 190, 290, 295 or equivalent course.
Lectures, 3 hours per week.
Instructor: N. D. Robertson

ECONOMICS 190, PRINCIPLES OF ECONOMICS

An introduction to the study of economics including national income determination, money and banking, economic policy, price and distribution theory, international economics and current economic problems.
Note: Economics 190 is a prerequisite for all other courses in economics except Economics 208 (Economic History)
Summer Day Session—Lectures and seminars, 2 hours per day.
Winter Evening Session—Lectures and seminars, 3 hours per week
Instructor: Summer Day Session—J. Kushner
Winter Evening Session—M.F. Perkins

ECONOMICS 201, INTERMEDIATE ECONOMIC THEORY

Microeconomic analysis-theory of consumer choice, theory of the firm, market structure, general equilibrium analysis and welfare economics.
Prerequisite: Economics 190
Lectures, 2 hours per day
Instructor: L. A. Soroka

ECONOMICS 203, MACROECONOMICS

A study of Keynesian and classical macro-economic theory as well as selected topics in

money and banking, e.g. techniques of monetary policy, banking theory, financial intermediation.
Prerequisite: Economics 190
Lectures, 3 hours per week
Instructor: I. J. Masse

ECONOMICS 205, LABOUR ECONOMICS

Theories of wage determination and employment; the functioning of labour markets; the labour movement.
Prerequisite: Economics 190
Lectures, 3 hours per week
Instructor: J. Norton

ECONOMICS 290, ECONOMIC STATISTICS

Economic models, probability and inference, hypotheses and testing, least squares assumptions tests and transformations, time series analysis, correlation.
Prerequisite: Grade 13 mathematics or Mathematics 192, or permission of instructor
Lectures, 3 hours per week
Instructor: to be announced

ECONOMICS 307, COMPARATIVE ECONOMIC SYSTEMS

A study of economic systems in terms of goals decision-making processes and coordinating mechanisms; the development and functioning of different types of economic planning including planning by Governments in the Soviet Union, Yugoslavia, France, Britain and Canada.
Prerequisite: Economics 190
Lectures, 3 hours per week
Instructor: G. Temkin

ENGLISH 191, INTRODUCTION TO LITERATURE

Critical principles and genre study, with a study of selected works from the 14th century to the 20th.
Lectures, 2 hours per day; seminars 3 hours per week
Instructor: G. Coggins

ENGLISH 200, DRAMA TO 1642

Including Shakespeare.

Lectures/seminars, 2 sessions per week, 3 hours per session.

Instructor: I. Shaw

ENGLISH 342, MODERN POETRY

British, American and Canadian poetry of the past 100 years.

Lectures/seminars, 2 sessions per week, 3 hours per session

Instructor: G. C. Reecer

ENGLISH 350, THE MODERN NOVEL

From James to the present. Investigations in the form of the novel.

Lectures/seminars, 2 hours per day

Instructor: J. Baernstein

ENGLISH 390, ANGLO-SAXON

Literature and language. A close reading of prose and several major poems in Old English, including, "The Parker Chronicle", "Wanderer", "Seafarer", "The Battle of Maldon", "The Dream of the Road".

Prerequisite: permission of instructor

Lectures/seminars, 3 hours per week

Instructor: I. M. Muhawi

DRAMATIC MEDIA 190, HISTORY OF THEATRE

A close study of representative plays from ancient times to 1650, the significance of their acting styles and the sensitive exploitation of the different kinds of theatres in which these plays were originally performed.

Lectures, seminars, 2 hours per day, plus theatre visits.

Instructor: A. J. Bradford

DRAMATIC MEDIA 290, HISTORY OF THEATRE

A study of 17 plays, from 1650 to the present, their theatrical and social background. Some

practical exploration of the play-texts is included.

Prerequisite: English 100

Lectures, seminars, 2 hours per day

Instructor: M. J. Miller

DRAMATIC MEDIA 295, MEANING IN THE MASS MEDIA

Introduction to the critical study of film, radio, television, the press, pop music, and other popular arts, both as statement and as symptom. Lectures, seminars, workshops, 2 nights per week

Instructor: M. Yacowar

FRENCH 200, LANGUAGE (INTERMEDIATE)

French literary and idiomatic expression.

Emphasis on composition, critical written and oral expression through discussion of general and literary topics. Grammatical transposition into French.

Lectures, 2 hours per day

Instructor: L. A. Rosmarin

FRENCH 290, 19TH CENTURY NOVEL

The evolution of the novel in France from the 1st Empire era to the Catholic revival. Emphasis on Realism and Naturalism. Prescribed texts:

Constant (Adolphe), Stendhal (Le Rouge et le noir), Balzac (Le Père Goriot, La Peau de chagrin), Sand (La Mare au diable), Flaubert (Madame Bovary), Zola (Germinal), Huysmans (Là-bas), Barrès (Les Déracinés).

Lectures, 3 hours per week

Instructor: M. J. Cardy

FRENCH 391, LITERATURE: 20TH CENTURY

Individualism and literary movements from 1890 to the present day. Emphasis on neo-romanticism, dadaism, unanimism, existentialism and the "nouveau roman". The concept of man in modern literature. Prescribed authors: Anouilh (L'Alouette); Proust (Du Côté de chez

Swann); Apollinaire (Poésies); Gide (L'Immoraliste); Bernanos (Journal d'un curé de campagne); Giraudoux (La Guerre de Troie n'aura pas lieu); Sartre (Les Mains sales); Camus (L'Exil et le royaume); Prévert (Paroles).

Lectures, 3 hours per week

Instructor: B. J. Bucknall

FRENCH 394, LITERATURE: HISTORY AS A LITERARY GENRE

Historians and historical schools from the Middle Ages to the 20th Century. Prescribed authors and texts; Les Chroniqueurs, Historiens du 16e Siècle, Bossuet (Discours), Montesquieu (Considérations); Michelet, Taine, Renan, Augustin Thierry.

Lectures, 2 sessions per week, 3 hours per session.

Instructor: C. J. Pujolle

FRENCH 395, FRENCH-CANADIAN LITERATURE

General survey from the 16th Century to the present times. Emphasis on poetry, novel and theatre. Prescribed texts: Gaspé (Les Anciens Canadiens), Laure Conan (Angéline de Montbrun), Nelligan (Poésies complètes); Alain Grandbois (Poèmes), J. Godbout (Salut Galarneau), A. Hébert (Le Torrent), J. Languirand (Les Insolites), F. Loranger (Une maison, un jour).

Lectures, 3 hours per week

Instructor: D. Christopher

GEOGRAPHY 190, THE GEOGRAPHY OF MANKIND

The geographic viewpoint; cultural diversity, patterns of livelihood, settlements and population in their spatial context. Practical work, including an introduction to map interpretation.

Lectures and seminars, 3 hours per week

Instructor: J. B. McClellan

GEOGRAPHY 200, TECHNIQUES I

Introduction to the theory and practice of car-

tography; maps and air photographs as sources of information.

Prerequisite: Geography 190

Lectures and laboratory, 4 hours per week

Instructor: A. Hughes

GEOGRAPHY 292, GEOMORPHOLOGY

The study of landforms, with particular attention to spatial variations in the scale, intensity and relative importance of geomorphic processes.

Prerequisite: Geology 130 or 190 recommended

Lectures, seminars, laboratory, 2 hours per day

Instructor: W. C. Mahaney

GEOGRAPHY 298, ECONOMIC GEOGRAPHY

An introduction to Economic Geography using a systems framework to explain the location and distribution of primary, secondary and tertiary activities as a basis for the study of selected regions of growth and decline.

Prerequisite: Geography 190, or permission of the instructor.

Lectures and seminars, 3 hours per week

Instructor: J. McNeil

GEOGRAPHY 300, TECHNIQUES II

The application of quantitative methods to problems in geographical research.

Prerequisite: Geography 200 and Mathematics 192 (a & b) for geography majors, or permission of the instructor for all others.

Lectures and laboratory, 3 hours per week

Instructor: H. J. Gayler

GEOGRAPHY 350, REGIONAL GEOGRAPHY

An introduction to the regional concept, followed by case studies from western Europe.

Prerequisite: Geography 292 and 298, or permission of the instructor

Lectures and seminars, 2 hours per day

Instructor: E. P. Kayser

GEOGRAPHY 391, CLIMATOLOGY

World, regional and local patterns of weather and climate; introduction to microclimatology.

Prerequisite: Geography 190, or permission of the instructor

Lectures and laboratory, 3 hours per week

Instructor: B. W. Thompson

GEOGRAPHY 393, BIOGEOGRAPHY

The study of soil and vegetation patterns on a global, regional and local scale together with the factors that influence them.

Prerequisite: Geography 292, or permission of the instructor.

Lectures and labs: 3 hours weekly

Instructor: M. R. Moss

GEOGRAPHY 398, RESOURCE GEOGRAPHY

- (1) Conservation and resource development
- (2) Locational analysis of agricultural activity

Prerequisite: Geography 292 or 298, or permission of the instructor

Lectures, seminars, laboratory, 2 sessions per week, 3 hours per session

Instructor: C. W. Thomson

GEOLOGY 190, PRINCIPLES OF GEOLOGY

The principles of geological thought; geology as a science; geological processes; major earth structures; geological time; fossils and their significance; applications of geology

Summer Day - Lectures, 2 hours per day; labs and seminars, 3 hours per day

Winter Evening - Lectures and labs, 4 hours per week plus an additional 4-hour lab once per month

Instructor: Summer Day - J. L. Craft

Winter Evening - to be announced

GEOLOGY 210, MINERALOGY

Mineral composition and structure; identification of ore and rock forming minerals.

Prerequisite: Geology 130 or Geology 190

Lectures, 2 hours per day; labs and seminars 3 hours per day

Instructor: E. Miryneck

GEOLOGY 293, HISTORICAL GEOLOGY

Principles of: stratigraphy, correlation and time concepts, paleontology and micropaleontology. Geological history of North America, with emphasis on Canada.

Prerequisite: Geology 190

Lectures, 1 hour per day; labs 3 hours per day

Instructor: B. A. Liberty

GEOLOGY 391, GEOLOGY OF CANADA I

A summer series of geological field studies at selected sites in Canada.

Prerequisite: Geology 130 or 190

Field course, 5 weeks

Instructor: P. A. Peach

GEOLOGY 392, GEOLOGY OF CANADA II

Winter session following Geology of Canada I. Research into specimens collected and localities visited during the field course.

Prerequisite: Geology 130 or 190, and Geology 391

Lectures, seminars and laboratory research, 3 hours per week

Instructor: To be announced

GERMAN 100, LANGUAGE (*Introductory*)

Learning of basic skills, conversational patterns, reading ability. Language laboratory, films, records, tapes.

Summer Evening Session - 2 sessions per week, 3 hours per session.

Winter Evening Session - 3 hours per week, plus 3 hours alternate weeks.

Instructor: Summer Evening - J. A. Michielsen;

Winter Evening - J. A. Michielsen

GERMAN 190, LANGUAGE AND LITERATURE

Intermediate level. Conversational and written

language skills. Introduction to German Literature, assigned readings from the 20th Century.

Prerequisite: German 100, Grade 13 Ontario or permission of Department.

Language lab, films, tapes, recordings.

Summer Evening—2 sessions per week, 3 hours per session.

Winter Evening—3 hours per week

Instructor: Summer Evening—D. C. MacRae;

Winter Evening—T. Michielsen

GERMAN 200, LANGUAGE (*Advanced*)

History of the language. 17th and 18th century poetry. Advanced translation

Prerequisite: 1 year university German or permission of Department

Lectures, 2 sessions per week, 3 hours per session

Instructor: J. A. Michielsen

GERMAN 213, LITERATURE: FROM ROMANTICISM TO REALISM

An intensive study of the prose, poetry and drama of the early 19th Century. Selected texts from Tieck to Keller.

Prerequisite: 1 year university German or permission of Department

Lectures, 3 hours per week

Instructor: D. C. MacRae

GERMAN 394, 18TH CENTURY LITERATURE AND LITERARY THEORY

A study of select texts, both literary and theoretical by Lessing, Schiller, Goethe,

Prerequisites: lower courses and/or permission of Dept.

Lectures, 3 hrs. per week

Instructor: H. Schutz

GREEK 100

An intensive course in the fundamentals of Greek for students with no previous study,

leading to reading of selections from various Greek authors. Tapes will be used for laboratory drill.

Lectures and labs: Summer Day—4 hours per day; Winter Evening—4 hours per week

Instructor: F. H. Casler

HISTORY 100, THE PAST HUNDRED YEARS

The history of Europe and North America during the last century, examining such themes as the development of ideologies in their historical context. Weekly seminars study selected problems of relevance to the modern world.

Lectures and seminars: Summer Day—2 hours per day; Winter Evening—3 hours per week.

Instructor: Summer Day—C. Hayes;

Winter Evening—to be announced

HISTORY 190, MEDIEVAL CIVILIZATION

A survey, from the fourth to the fourteenth century, of the Byzantine, Islamic and Western European civilizations, which evolved out of the Roman Empire, with emphasis on the “emerging nations” of England, France & Germany. Slides of surviving buildings, artifacts and manuscripts are used to illustrate developments in architecture, crafts, costume, weaponry and everyday life.

Lectures and seminar, 2 hours per day

Instructor: to be announced

HISTORY 210, EUROPE CREATES THE NEW WORLD

The development of the European empires in North and Central America, designed as an introduction to the early history of Canada, the United States, and Mexico, as well as an introduction to the evolution of modern imperialism.

Lectures and seminar—2 sessions per week, 3 hours per session

Instructor: W. B. Turner

HISTORY 220, EARLY MODERN BRITAIN

Society and institutions in the British Isles from the mid-fifteenth to the early eighteenth century, with emphasis on the emergence of the modern centralized state, the impact of the English Reformation, and the origins and effects of the English Revolution of the Seventeenth century.

Lectures and seminar, 3 hours per week

Instructor : to be announced

HISTORY 295—THE UNITED STATES OF AMERICA

A study of the interrelationship between social change, economic development and political structures in the United States since the Revolution.

Lectures and seminar, 3 hours per week

Instructor : to be announced

HISTORY 330, EUROPE IN REVOLUTION

A study of the social, cultural and political problems of continental Europe from 1815 to the present day with special emphasis on the influence of the French Revolution and of industrialization.

Lectures and seminar, 6 hours per week

Instructor : R. R. Taylor

HISTORY 394—FRENCH CANADA

A study of the cultural, economic and political institutions of French Canada as a means of analyzing the sources of English-French conflict, with emphasis upon such questions as education, cultural values, imperial defence, and conscription.

Lectures and seminar, 3 hours per week

Instructor : to be announced

ITALIAN 100, LANGUAGE (*Introductory*)

Acquisition of reading and oral skills. Elementary grammar. Conversation and composition. Language Laboratory.

Lectures and labs, 2 sessions per week, 3 hours per session

Instructor : R. DeLuca

ITALIAN 190, LANGUAGE AND LITERATURE

Composition, conversation. General background of Italian Literature from the Middle Ages to the present. Selected modern texts. Language Laboratory.

Lectures and labs, 2 sessions per week, 3 hours per session

Instructor : R. DeLuca

ITALIAN 200, LANGUAGE (*Intermediate*)

Advanced grammar, intensive oral and written language practice. Critical evaluation of modern plays. Translation.

Lectures, 3 hours per week

Instructor : R. DeLuca

LATIN 100

An intensive course in the fundamentals of Latin for students with no previous Latin or with no more than two years, leading to readings of selections from various Latin authors.

Lectures and labs, 4 hours per day

Instructor : A. Verster

LINGUISTICS 190: LINGUISTICS AND LANGUAGE TEACHING

Introduction to descriptive linguistics (phonetics, phonology, morphology, syntax) with special application to teaching languages at the secondary school and university levels.

Course open to students in any year, but should preferably be taken in either year I or II.

Lectures and seminars, 3 hours per week

Instructor : R. Ullman

MATHEMATICS 150, INTRODUCTION TO UNIVERSITY MATHEMATICS

(A course giving adequate preparation for entry into courses such as Mathematics 100, 110, 193). Sets, relations, functions, binary operations, basic algebraic structures, real and complex

numbers. Basic algebraic analysis: quadratic and rational functions, graphs; theory of equations; indices and logarithms; ratio and proportion problems; matrices and transformations; permutations, combinations, binomial theorem. Trigonometry: trig. functions, graphs, identities, addition formulae, etc; problems. Revision of topics in Euclidean geometry. Elements of analytic geometry and calculus. Elements of vector algebra; applications in geometry and mechanics.

Offered in Continuing Education only.

Lectures, 3 hours per week

Instructor: to be announced

MATHEMATICS 192 A & B

MATHEMATICS 192(a) (*Half-Course*), BASIC
MATHEMATICS FOR SOCIAL SCIENCE STUDENTS

Elementary algebraic analysis and analytic geometry; introduction to differential and integral calculus; permutations, combinations, and binomial theorem; elements of probability theory.

MATHEMATICS 192(b) (*Half-Course*),

BASIC STATISTICAL METHODS

An introduction to statistical methods with emphasis on applications to problems in Biology, Economics, Geography, Psychology, Sociology, etc.: frequency distributions; measures of central tendency and dispersion; theoretical distributions; large sample and small sample theory; correlation and regression; time series and index numbers; analysis of variance; non-parametric statistics.

Prerequisite: Mathematics 192(a), or equivalent
Lectures, Summer Evening—2 sessions per week,
3 hours per session; Winter Evening—3 hours
per week

Instructor: Summer Evening—C. Laywine;
Winter Evening—to be announced

MATHEMATICS 193 A & B

MATHEMATICS 193(a) (*Half-Course*),
INTRODUCTORY CALCULUS

Limits, continuity, differentiation; elementary functions; implicit differentiation, parametric differentiation, repeated differentiation; tangents and normals, maxima and minima, curve-tracing; differentials and simple theory of approximation and error; simple integration theory, systematic integration, and applications
Prerequisite (minimal): Grade 13 Math A
(preferably Math A & B)

MATHEMATICS 193(b) (*Half-Course*),

MATHEMATICS FOR SCIENCE STUDENTS

Partial differentiation, extremal problems, Lagrange multipliers, simple first-order differential equations; series and Taylor series; introduction to determinants and matrices; complex numbers and deMoivre's theorem; introduction to line integrals and multiple integrals, and simple applications to centroids and moments of inertia; simple vector algebra and vector field theory.

Prerequisite: Mathematics 193(a), or equivalent
Lectures, 3 hours per week, tutorial 1 hour
per week

Instructor: to be announced.

MUSIC 192: MUSICAL INSTRUMENTS AND
PERFORMANCE

Ensemble performance using Renaissance and modern instruments. Groups may include Renaissance consorts, Baroque, Classical or Romantic chamber music, jazz, percussion, choral, improvisation, electronic sound.

Prerequisite: Entry by audition.

Lectures, performance, 3 hours per week

Instructors: Staff and Visiting Instructors

PHILOSOPHY 190, INTRODUCTION TO PHILOSOPHY

With the help of texts from great philosophers in the East and West this course tries to aim

at an awareness of the sense of philosophizing today

Summer Day Session - 2 hours per day

Winter Evening Session - 3 hours per week

Instructor: Summer Day Session - J. Hicks;

Winter Evening - J. H. Nota,

D. L. Goicoechea

PHILISOPHY 192, EASTERN PHILOSOPHY:

AN INTRODUCTION

An open course designed to introduce students to the evolution of Eastern thought from the Upanishads (800-500 BC) to contemporary ideas in Sri Aurobindo and Zen Buddhism.

3 hours per week

Instructor: W. Halbfass

PHILOSOPHY 306, PHILOSOPHY OF RELIGION

In a phenomenological and historical approach the course tries to find an answer concerning the essence of religion. Texts will be read of various authors: philosophers, phenomenologists and historians of religion, who deal with different kinds of religions from different viewpoints.

3 hours per week

Instructors: J. H. Nota, D. L. Goicoechea

PHYSICAL SCIENCE 191

An introduction to chemical physics. Quantization of charge, mass and radiant energy; waves and particles; Bohr and Schrodinger atom models; introduction to nuclear physics; spectroscopy; chemical bonding in molecules and crystals; molecular interactions; Boltzmann distributions; equilibria; kinetics.

Prerequisite: Grade 13 Physics, Grade 13

Chemistry and one Grade 13 Math.

Lectures, 2 hours per day; labs 6 hours per week

Instructor: E. A. Cherniak.

POLITICS 190, INTRODUCTION TO POLITICS

A study of the theory and practice of the

democratic system of government.

Lectures and seminars, Summer Day - 2 hours per day; Winter Evening - 3 hours per week.

Instructor: W. A. Matheson

POLITICS 300, MODERN POLITICAL THEORY

A study of selected theorists and theories from the 19th Century to the present. The emphasis in this course is on philosophical *problems* rather than on the *history* of political thought.

Prerequisite: Politics 200 or Philosophy 190 or consent of instructor. Seminars, 2 sessions per week, 3 hours per session

Instructor: B. Le Baron

POLITICS 301, THE CONCEPT OF LAW

An examination of various theories of law and their social applications. (This course is particularly important for those planning to concentrate in international and comparative studies.)

Prerequisite: Politics 200

Lectures and seminars, 3 hours per week

Instructor: To be announced

POLITICS 313--STATE AND SOCIETY IN SOUTH ASIA

An examination of South Asian political systems with particular reference to modernization.

Lectures and seminars, three hours per week.

Instructor: R. Church

POLITICS 323, INTERNATIONAL LAW AND ORGANIZATION

A study of the principles of international law and international organization and their application in international politics.

Lectures and seminars, three hours per week.

Instructor: W. H. N. Hull

POLITICS 412, CANADIAN POLITICAL SYSTEM

A study of selected problems, issues and philosophies of significance in Canadian politics.

Prerequisite: Politics 212 or consent of instructor
Lectures and seminars, 3 hours per week
Instructor: To be announced

PSYCHOLOGY 190, INTRODUCTION TO PSYCHOLOGY
Basic concepts and contemporary issues in psychology with special attention to learning, physiological, developmental, clinical and social psychology.

Lectures and seminars, 2 sessions per week,
3 hours per session

Instructor: N. M. Carlsen, R. Ogilvie and Staff

PSYCHOLOGY 210, DEVELOPMENTAL PSYCHOLOGY
An emphasis on the integration of theoretical, experimental and clinical approaches to development.

Prerequisite: Psychology 190

Lectures and seminars, 2 hours per day

Instructor: M. Schnall

PSYCHOLOGY 225, DYNAMICS OF PERSONALITY
An introduction to general personality theory and personality concepts in five parts: the person/psychologist as observer of people, the personality in response to stress, intrapersonal dynamics using Pleasure Principle or Law-of-Effect oriented approaches, dynamics of growth, creativity, and self actualization, and a summary which integrates through the study of personality assessment.

Prerequisite: Psychology 190

Lectures and seminars, 3 hours weekly

Instructor: M. Jordan

PSYCHOLOGY 230, AN INTRODUCTION TO SOCIAL PSYCHOLOGY

A study of social influence emphasizing interpersonal relationships as found in a select sample of content areas such as affiliation, aggression, conformity, and group process.

Prerequisite: Psychology 190

Lectures and seminars, 2 hours per day

Instructor: J. Partington

PSYCHOLOGY 320, PSYCHOPATHOLOGY
(formerly *Abnormal Psychology*)

Major theories which have been developed to explain aberrant behaviour are considered and evaluated. Emphasis is upon integration of contemporary research findings with theory in formulating a nosological system and biosocial model of psychopathology.

Prerequisite: Psychology 190 and a course in personality theory or permission of instructor

Lectures, 2 hours per day

Instructor: E. Pomeroy

PSYCHOLOGY 330, TESTS AND MEASUREMENTS

An evaluation of tests used in vocational, educational and clinical settings, and a consideration of the role of interpersonal processes.

Prerequisite: Psychology 190

Lectures and seminars, 3 hours weekly,
plus testing projects

Instructor: to be announced.

PSYCHOLOGY 345 - STRATEGIES IN SOCIAL PSYCHOLOGICAL RESEARCH

A "learning by doing" approach for evaluating the relative merits and shortcomings of the following research strategies: laboratory experimentation, field experimentation, correlational methods, including attitude and opinion surveys, computer and laboratory simulations, and ecological investigations involving both audio and video measures.

Prerequisite: Psychology 190 or permission of instructor

Lectures and seminars, 3 hours per week

Instructor: J. Partington

RUSSIAN 100, LANGUAGE (*Introductory*)

Course aiming at the four basic skills of language proficiency (reading, writing, speaking and

understanding). Language Laboratory.
Lectures and labs, 4 hours per week
Instructor : P. Reial

RUSSIAN 190, LANGUAGE AND LITERATURE
Intermediate grammar. Composition. Conversation. Readings in Russian literature.
Prerequisite : Russian 100 or Grade 13 Ontario or permission of instructor
Lectures and labs, 3 hours per week
Instructor : C. Hollosi

SOCIOLOGY 190, MAN AND SOCIETY
Principles and methods in social analysis. Examination of elements of social structure, social relations, groups, culture, norms and values, social organization and change. Introduction to comparative analysis of societal structure and process. Emphasis will be placed on field experience, independent student research, and data analysis.
Lectures and labs, Summer Day—2 hours per day; Winter Evening—3 hours per week
Instructor : Summer Day—N. Yarmoshuk; Winter Evening—to be announced.

SOCIOLOGY 242, FORMAL ORGANIZATIONS
The goal of this course is to acquaint the student with basic concepts, theory, research and methodology from the various behavioural sciences relevant to the organization and functioning of goal oriented social systems (private business, government agencies, schools and universities, public service agencies). Issues, basic to all such social systems, such as membership selection and socialization, individual motivation, leadership, power and authority, communications, policy formulation and decision making, organizational change, organizational effectiveness and efficiency will be discussed from a theoretical and practical perspective.

Prerequisite : Course fulfilling the Social Science Core and Context requirement or permission of instructor
Seminars 3 hours per week, labs 2 hours every second week.

SOCIOLOGY 243, SOCIAL STRATIFICATION
Instructor : N. Yarmoshuk
An analysis of various theories of social stratification (Marx, Veblen, Weber, Mosca, Sorokin, Duhrendorf, and K. Davis). Reward allocations in various human organizations. A comparison of the mobility patterns, class and power for a selected number of industrial and developing societies. The major theoretical and methodological problems of the social class analysis for various types of groups and societies systematically treated. The Canadian social structure and power system analyzed and some empirical projects discussed (Blishen's occupational ratings, Porter, and Pineo).
Prerequisite : Course fulfilling the Social Science Core and Context requirement or permission of instructor.
Lectures and seminars, 2 hours per day
Instructor : J. H. Reed

SOCIOLOGY 253, MASS MEDIA
The course will investigate theories and methods applicable to the study of inter and intrasocietal communication. Special attention will be given to the use of the mass media for persuasion, attitude formation and change, propaganda, and socialization at the societal level.
Prerequisite : Completion of Core and Context Social Science requirement or permission of instructor.
Seminars 3 hours per week and laboratory
Instructor : to be announced

SOCIOLOGY 305, SOCIAL ANALYSIS OF
ECONOMIC INSTITUTIONS

Methodological and theoretical problems in the analysis of economic systems, including analysis of the modes of production, exchange, and consumption of goods and services in societies occupying differing ecological situations.

Relationships between economic choices and behaviour and other aspects of society.

Prerequisite: Completion of course fulfilling the Social Science Core and Context requirement
Lectures, seminars and fieldwork, 3 hours per week

Instructor: to be announced

SOCIOLOGY 320, SOCIAL ANALYSIS OF EDUCATION

The investigation of education as a pattern of behaviours associated with the socialization of a society's youth. Areas of study will range from the influence of culture upon the structure, curriculum, and goals of the educational institution to the study of classroom behaviours. Special emphasis will be placed upon the theoretical and methodological problems associated with educational research and the formulation of educational problems.

Prerequisite: Completion of Core and Context Social Science Requirement

Lectures and seminars, Summer Day—2 hours per day; Winter Evening—3 hours per week

Instructor: W. Watson

SOCIOLOGY 325, SOCIAL ANALYSIS OF THE FAMILY

The study of conjugal relationships and family patterns in both modern and traditional societies and how these patterns are maintained, adapted and changed over time. This will include such topics as types of conjugal unions, roles of spouses, stability of marriage, children born out of wedlock, and the relationship of marriage and family patterns to other aspects of the social systems, including kinship and the position of

women in society. There will be a strong methodological emphasis, including discussion of concepts, typologies, comparative studies, hypotheses, and theories.

Prerequisite: Completion of Core and Context Social Science Requirement

Lectures, seminars & field work, 2 sessions per week, 3 hours per session

Instructor: M. Perlman

SOCIOLOGY 350, SOCIAL ANALYSIS OF URBANISM

Man's urban environment and his social relations in cities; the rise of cities, urbanization, migration, personal relations in cities, the ecology of city areas and provision of shelter. The pervasive influence of architecture on interpersonal relations, the relation between distance and group formation, and the influence of the urban environment on life style, social class, values, and personal and social pathology. The projects which will enable students to learn by doing.

Prerequisite: Completion of Core and Context Social Science requirement or permission of instructor.

Lectures, 3 hours per week

Instructor: T. Denton

SPANISH 100, LANGUAGE (*Introductory*)

Essentials of grammar, with emphasis on idiomatic expression. Conversation and elementary composition. Language Laboratory.

Lectures and labs, 3 hours per week

Instructor: M. R. Nieto

SPANISH 200, LANGUAGE (*Intermediate*)

Composition, critical appreciation. Essays. Translation from stylistic standpoint. Grammatical transposition into Spanish.

Lectures, 2 hours per day

Instructor: R. Hildebrandt

SPANISH 395, 20TH CENTURY
SPANISH AMERICAN NOVEL

Chronological and regional coverage from 1900 to the present day. Selected authors: Azuela (*Los de abajo*), Rivera (*La vorágine*), Gallegos (*Dña Bárbara*), Barrios (*El hermano asno*), Güiraldes (*Don Segundo Sombra*), Alegría (*El mundo es ancho y ajeno*), Asturias, Nobel prize 1967 (*El señor presidente*).

Lectures, 3 hours per week
Instructor: J. A. Fernandez

URBAN STUDIES 295, INTER-DISCIPLINARY
PERSPECTIVES IN URBAN STUDIES

Cooperative presentation of the problems and opportunities for planned community change, with special emphasis on the urban region of the Niagara Peninsula. Collaborative teaching group from the participating faculties of Biological Science, Economics, Geography, Geology, Politics and Sociology.

Prerequisites: Mathematics 192 A & B (or approved equivalent), and *one* of Biology 120 or 190; Geology 130 or 190; *two* of: Economics 190, Geography 190, Politics 190 and Sociology 190.
3 hours per week

Coordination: R. Hoover

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F.A.A.A.S., F.R.S.A., P.ENG.

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BROCK UNIVERSITY, ST. CATHARINES, ONTARIO, CANADA

$$|a_n| < L^n (1+\omega), \text{ where } n \geq m, \quad \frac{(n-1)!}{m!}$$

$$|na_n| < L \cdot \frac{1/(n-1)}{n/(n-1)} \cdot \frac{n/(n-1)}{n/(n-1)} (1+\omega)$$

$$= L \cdot \frac{1/(n-1)}{1/(n-1)} \cdot \frac{1/(n-1)}{1/(n-1)} (1+\omega)(1+\omega)$$



